

WHAT IS CLAIMED IS:

1. A tape cartridge which can be inserted into a tape drive having an opening member which can operatively engage with the tape cartridge at a time when the tape cartridge is inserted, the tape cartridge comprising:

a reel on which a tape is wound;

a leader pin attached to a free end of the tape;

a case which is hollow, which accommodates the reel, and which has a ceiling plate and a floor plate which oppose one another with a predetermined interval therebetween;

a tape access opening provided at the case; and

pin holding structures for releasably holding the leader pin at a predetermined holding position within the case, such that the leader pin spans between the ceiling plate and the floor plate,

wherein a thickness of a portion of the ceiling plate and a portion of the floor plate which each may be contacted by an end surface of the leader pin which is positioned at the holding position, is thicker than an average thickness of the ceiling plate and the floor plate.

2. The tape cartridge of claim 1, wherein the thickness of the portion of the ceiling plate and the portion of the floor plate is 2.3 mm or more.

3. The tape cartridge of claim 1, wherein the holding position is in a vicinity of the tape access opening within the case.

4. The tape cartridge of claim 1, wherein the case has a front wall portion facing in

a cartridge insertion direction, a side wall portion substantially parallel to the cartridge insertion direction, and an inclined wall portion connecting the front wall portion and the side wall portion and inclined with respect to the cartridge insertion direction, and the tape access opening is provided at the inclined wall portion of the case.

5. The tape cartridge of claim 1, wherein the pin holding structure has an elastic member which has a free end portion and a proximal portion, and which is for pushing the leader pin by the free end portion and positioning the leader pin at the holding position.

6. The tape cartridge of claim 1, further comprising a shielding member which can move reciprocatingly along an arc-shaped path of movement between a closing position for closing the tape access opening and an opening position for opening the tape access opening.

7. The tape cartridge of claim 6, further comprising an urging element which always urges the shielding member toward the closing position.

8. The tape cartridge of claim 6, further comprising an operation portion provided at the shielding member, and due to the tape cartridge being inserted, the operation portion can move the shielding member toward the opening position while engaging with the opening member of the tape drive.

9. The tape cartridge of claim 1, wherein the case is substantially rectangular in plan view.

10. The tape cartridge of claim 1, wherein
the case is formed from an upper case and a lower case; and
a plurality of joining portions for joining the upper case and the lower case are
provided at the case.

11. A tape drive into which a tape cartridge can be inserted, and which carries out at
least one of reading of data and writing of data, the tape cartridge having:

a reel on which a tape is wound;

a leader pin attached to a free end of the tape;

a case which is hollow, which accommodates the reel, and which has a ceiling plate
and a floor plate which oppose one another with a predetermined interval therebetween;

a tape access opening provided at the case; and

pin holding structures for releasably holding the leader pin at a predetermined
holding position within the case, such that the leader pin spans between the ceiling plate
and the floor plate,

wherein a thickness of a portion of the ceiling plate and a portion of the floor plate
which each may be contacted by an end surface of the leader pin which is positioned at the
holding position, is thicker than an average thickness of the ceiling plate and the floor plate,
and

the tape drive has an opening member which can operatively engage with the tape
cartridge at a time when the tape cartridge is inserted.

12. The tape drive of claim 11, wherein, at the time when the tape cartridge is
inserted, the opening member engages with a shielding member and can move the
shielding member toward an opening position.

13. The tape drive of claim 11, wherein the opening member extends in a direction traversing a tape cartridge insertion direction.

14. The tape drive of claim 11, wherein the opening member enters into the case at the time when the tape cartridge is inserted.

15. The tape drive of claim 14, wherein the opening member enters in from a slit provided at the case.